

#### SPECIFICATIONS

**DISPLAY:** Green color multi-digits fluorescent tube.

**COLUMNS:** Lists 8 Digits.

**REGISTERS:** 1 Memory Register, 1 Read Out Register and 3 Working Registers.

**DECIMAL POINT:** Floating.

**LOGIC ELEMENT:** M.O.S., L.S.I. (1 chip).

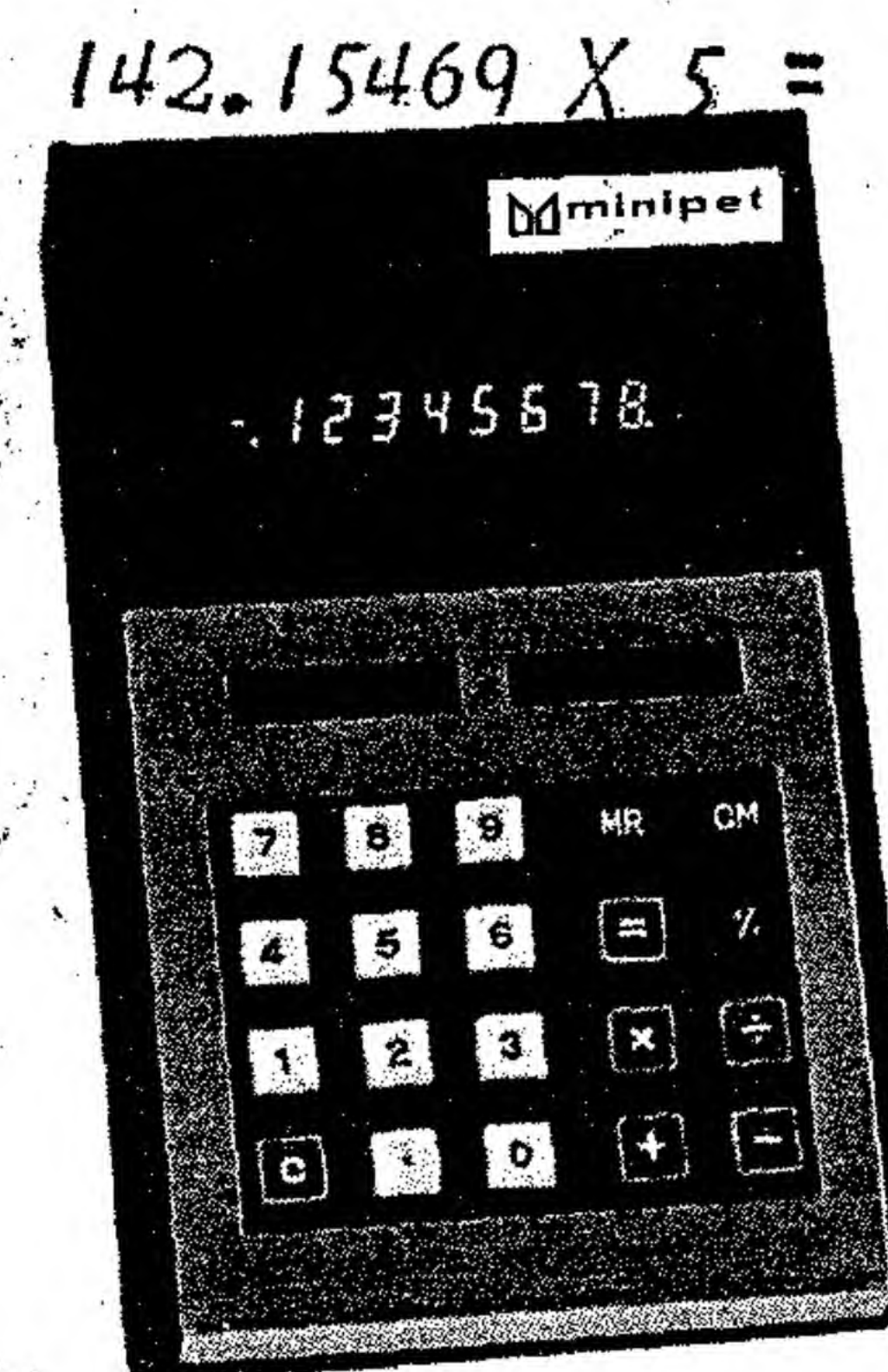
**POWER SUPPLY:** D.C. 4 pieces 1.5V AM-3 or UM-3 pen-light batteries.  
A.C. Adaptor (optional).

**OPERATION TEMPERATURE:** 0° C to 40° C.

**DIMENSIONS:** 13.5 cm. X 8.5 cm. X 2.9 cm.

**POWER CONSUMPTION:** 0.5W.

**WEIGHT:** 8 oz. (with batteries)

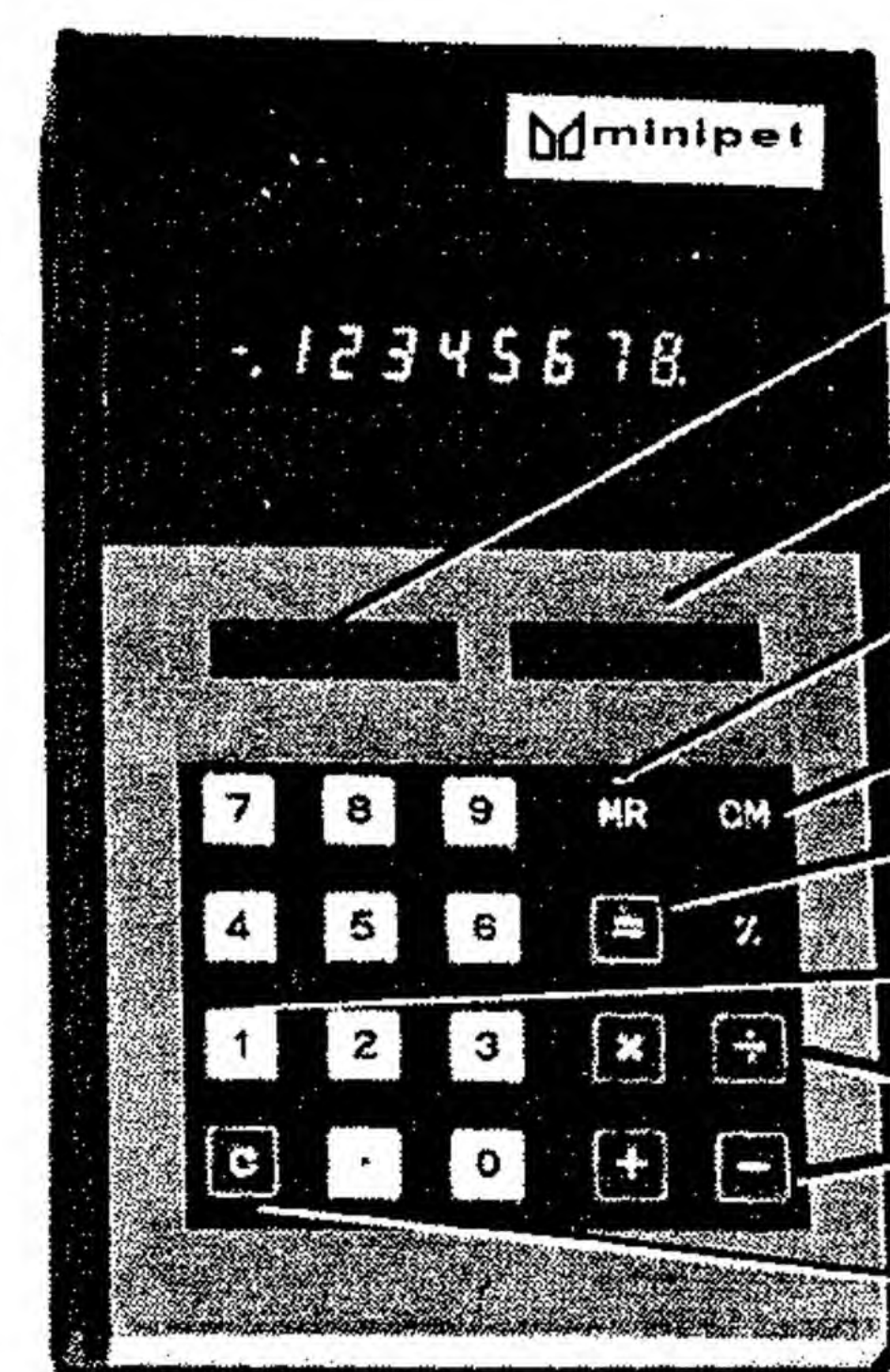


**minipet**

**Model 82M-D**

**Instruction Booklet**





- On and Off Switch
- Accumulation Switch
- Memory Recall Key
- Clear Memory Key
- Equal Key or Memory Entry Key
- Numeral Keys
- Command Keys
- Clear & Clear Entry Key

### KEY FUNCTIONS

- +** **ADDITION KEY:** To be depressed for addition.
- C** **CLEAR KEY:** Single depression for clearing entries.  
Double depression for clearing all (except memory).
- CM** **CLEAR MEMORY KEY:** For clearing the contents in the memory.
- ÷** **DIVISION KEY:** To be depressed for division.
- =** **EQUAL KEY:** For obtaining the results of a multiplication or division.
- X** **MULTIPLICATION KEY:** To be depressed for multiplication.
- %** **PERCENTAGE KEY:** For percentage calculation.
- RM** **RECALL MEMORY KEY:** For recalling the contents in the memory.
- **SUBTRACTION KEY:** To be depressed for subtraction.
- ACC** **ACCUMULATION:** Switch to ACC position for memory.  
**N** **NORMAL:** Without memory.



**INTRODUCTION OF FORDS 82MD**

- Eight digits
  - Four operations
  - Constant calculations
  - Chain calculations
  - Automatic power clear
- Full floating point (automatic underflow)
  - Automatic percentage operations
  - Accumulating memory register
  - Memory accumulation switch
  - Leading zero suppression

**ACCUMULATION SWITCH**

The accumulation switch has two positions, "N" and "ACC".  
The "ACC" position activates automatic memory accumulation upon depression of an [=] or [%] key.

**MEMORY IN USE INDICATION**

When the memory register is non-zero, the decimal point will be displayed in the sign position (9th digit).

**OVERFLOW CONDITIONS (SIGN [ ])**

Any operation resulting in more than eight significant digits to the left of the decimal point will cause an overflow condition. Indication of overflow is a special symbol in the sign position. The display will indicate the eight most significant digits of the operation.

**ADDITION & SUBTRACTION**

12.3 + 23.4 - 34.5 = 1.2

OPERATION	DISPLAY
[C] 12.3	12.3
[+] 23.4	12.3
[+] 34.5	23.4
[+] 34.5	35.7
[-] 34.5	34.5
[-] 34.5	1.2

**REPEATED ADDITION OR SUBTRACTION**

3 + 3 - 5 - 5 = -4

OPERATION	DISPLAY
[C] 3	3
[+] 3	3
[+] 3	6
[+] 5	5
[-] 5	1
[-] 5	-4

MULTIPLICATION & DIVISION

$$\begin{array}{r} 12 \times 45 \times 3 \\ \hline 124 \end{array}$$

<u>OPERATION</u>	<u>DISPLAY</u>
12	12
<input type="button" value="X"/>	12
45	45
<input type="button" value="X"/>	540
3	3
<input type="button" value="÷"/>	1620
124	124
<input type="button" value="="/>	13.064516

MULTIPLICATION BY CONSTANT

$$\begin{array}{l} 123 \times 12 = 1476 \\ 123 \times 23 = 2829 \\ 123 \times 9 = 1107 \end{array}$$

<u>OPERATION</u>	<u>DISPLAY</u>
123	123
<input type="button" value="X"/>	123
12	12
<input ]<="" td="" type="button" value="="/> <td>1476</td>	1476
23	23
<input ]<="" td="" type="button" value="="/> <td>2829</td>	2829
9	9
<input ]<="" td="" type="button" value="="/> <td>1107</td>	1107

DIVISION BY CONSTANT

$$\begin{array}{l} 1200 \div 24 = 50 \\ 196 \div 24 = 8.1666666 \\ 324 \div 24 = 13.5 \end{array}$$

<u>OPERATION</u>	<u>DISPLAY</u>
1200	1200
<input type="button" value="÷"/>	1200
24	24
<input ]<="" td="" type="button" value="="/> <td>50</td>	50
196	196
<input ]<="" td="" type="button" value="="/> <td>8.1666666</td>	8.1666666
324	324
<input ]<="" td="" type="button" value="="/> <td>13.5</td>	13.5



PERCENTAGE CALCULATION

120 Mark up 30%  
Answer 156

OPERATION	DISPLAY
120	120
<input type="button" value="X"/>	120
30	30
<input type="button" value="%"/>	36
<input type="button" value="+"/> +	156

150 Less 25% Discount  
Answer 112.5

150	150
<input type="button" value="X"/>	150
25	25
<input type="button" value="%"/>	37.5
<input type="button" value="-"/>	112.5

MIXED CALCULATION

$$\frac{(12 + 5 - 6)^2}{8}$$

OPERATION	DISPLAY
12	12
<input type="button" value="+"/> +	12
5	5
<input type="button" value="+"/> +	17
6	6
<input type="button" value="-"/>	11
<input type="button" value="X"/>	11
<input type="button" value="÷"/>	121
8	8
<input type="button" value="="/> =	15.125

# ACCUMULATION WITH CONSTANT

Set Switch to ACC position

$$\begin{array}{rcl}
 5.05 \times 200 & = & 1010 \\
 5.05 \times 127.5 & = & 643.875 \\
 5.05 \times 85.25 & = & 430.5125 \\
 \hline
 \text{Total:} & & 2084.3875
 \end{array}$$

OPERATION	DISPLAY
[C] [CM] ACC 5.05	5.05
[X]	5.05
200	200
[=]	1010
127.5	127.5
[=]	643.875
85.25	85.25
[=]	430.5125
MR	2084.3875

# ACCUMULATION

$$\begin{array}{rcl}
 125 \times 6 & = & 750 \\
 45 \times 23 & = & 1035 \\
 - 56 \times 40 & = & - 2240 \\
 \hline
 & & - 455
 \end{array}$$

OPERATION	DISPLAY
[C] [CM] ACC 125	125
[X]	125
6	6
[=]	750
45	45
[X]	45
23	23
[=]	1035
56	56
[−]	− 56
[X]	− 56
40	40
[=]	− 2240
MR	− 455